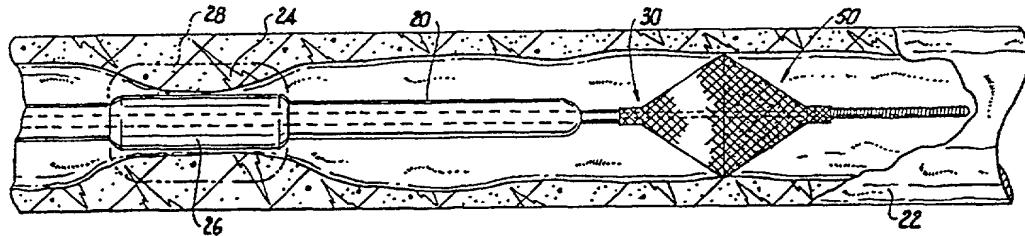




INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : A61F 2/01, A61M 25/01		A1	(11) International Publication Number: WO 99/22673 (43) International Publication Date: 14 May 1999 (14.05.99)
(21) International Application Number: PCT/US98/23516 (22) International Filing Date: 3 November 1998 (03.11.98)		(81) Designated States: JP, US, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).	
(30) Priority Data: 08/963,524 3 November 1997 (03.11.97) US		Published <i>With international search report.</i>	
(63) Related by Continuation (CON) or Continuation-in-Part (CIP) to Earlier Application US 08/963,524 (CON) Filed on 3 November 1997 (03.11.97)			
(71) Applicant (for all designated States except US): C.R. BARD, INC. [US/US]; 730 Central Avenue, Murray Hill, NJ 07974 (US).			
(72) Inventors; and (75) Inventors/Applicants (for US only): GRAY, William [US/US]; 78 Quirka Lane, Corrales, NM 87048 (US). GAMBALE, Richard, A. [US/US]; 382 Dunstable Road, Tyngsboro, MA 01879 (US).			
(74) Agents: SWEEDLER, Michael, J. et al.; Darby & Darby P.C., 805 Third Avenue, New York, NY 10022-7513 (US).			

(54) Title: TEMPORARY VASCULAR FILTER GUIDE WIRE



(57) Abstract

A vascular filter guide wire is disclosed for directing precision placement of a catheter proximate a blood vessel lesion and filtering particulate matter dislodged by treatment of the vessel. The guide wire includes an actuating mechanism, an elongated flexible core wire having a proximal end mounted to the actuating mechanism and a distal end for insertion through a vasculature to a position downstream of the restriction. A tubular flexible shaft is slidably disposed telescopically along the core wire and includes a proximal portion affixed to the actuating mechanism in movable relation to the core wire. The guide wire includes a collapsible filter at its proximal end to the distal portion of the shaft and, at its distal end, to the core wire. The filter deploys radially in response to axial movement of the core wire relative to the shaft so that it can trap particulate matter arising from treatment of the lesion.